

State of Hawaii
DEPARTMENT OF LAND AND NATURAL RESOURCES
Division of Aquatic Resources
Honolulu, Hawaii 96813

October 24, 2008

Board of Land
and Natural Resources
Honolulu, Hawaii

Request for Approval of Special Activity Permit 2009-32 for Dr. Alissa Arp,
Hawaii Pacific University, and Designated Assistants

The applicant proposes to collect various marine life, including sponges and other non-regulated species, from State waters for use in their scientific programs. Dr. Arp requires this permit because State law prohibits the use of fine meshed nets to take marine life. This request represents a renewal of a permit issued last year.

The Division of Aquatic Resources has reviewed this application and supports Dr. Arp's work at Hawaii Pacific University.

RECOMMENDATION:

"That the Board authorize and approve, with stated conditions, this Special Activity Permit for Dr. Alissa Arp."

Respectfully submitted,



DAN POLHEMUS
Administrator

APPROVED FOR SUBMITTAL:



LAURA H. THIELEN
Chairperson

SPECIAL
ACTIVITY PERMIT SAP 2009-32

State of Hawai'i
Department of Land & Natural Resources Issued _____
Division of Aquatic Resources
1151 Punchbowl Street, Room 330
Honolulu, Hawai'i 96813 Expires _____

The Board of Land and Natural Resources hereby grants permission for certain collection of organisms belonging to the people of Hawai'i under the authority of Section 187A-6, Hawai'i Revised Statutes, and all other applicable laws, to:

Alissa Arp (permittee)
Hawaii Pacific University (808) 236-3553
45-045 Kamehameha Hwy
Kaneohe, HI 96744

This permit is issued with attached conditions to authorize collection and possession of marine flora and fauna for scientific purposes.

This permit, signed by authorized representative of the Department of Land and Natural Resources (the Department), authorizes the permittee, and assistants designated on the final page(s) of, or attachments to, this permit, to engage in activities otherwise prohibited by law, subject to the conditions, to **TAKE, CATCH, POSSESS OR KILL** certain aquatic life from waters of the State, as follows:

TYPES	DESCRIPTION	LIMIT	LOCATIONS
Plankton	Various species	As needed through use of a standard plankton net, along with Special Conditions.	Kaneohe Bay, Island of Oahu ONLY.
Sponges Infauna	Various species	20 individuals or less along with Special Conditions.	Island of Oahu ONLY.

Echinoderms			
Ass't Invertebrates Seaweed	Various species	Ass't Non-Regulated, Native Invertebrate species collected by hand, sieve or with handnet.	Island of Oahu ONLY.
Ass't Invertebrates	Various species	Ass't Non-Regulated, Native Invertebrate species collected by core, traps, or with a remote grab device.	Island of Oahu ONLY.

CONDITIONS

PART I. GENERAL

A. This permit becomes effective when the following process is completed.

1. Each assistant must be listed at the end of this permit.
 2. The permittee and each assistant must read the permit completely; and must acknowledge understanding of and agreement to abide by conditions of the permit, by signing *both* copies of the permit in the spaces provided.
 3. *Both* copies of the permit with permittee's and assistants' signatures must be returned to the Division of Aquatic Resources (the Division).
 4. The permit becomes valid when signed by an authorized **representative** of the Department; the Department will return one validated copy to the permittee.
 5. The permittee agrees to notify the Division immediately of any change in assistants. Additional persons may be added as assistants by validation: each must sign an "Attachment" form, which must be returned to the Division for validation; once approved, such persons are added to the permit.
- B. The permittee agrees to obtain written approval of the Division prior to conducting any activity which would be prohibited under the permit (i.e. request in advance changes to permit conditions).
- C. This permit does not make the Board of Land and Natural Resources or State of Hawai'i liable in any way for claim of personal injury or property damage which may result from activity authorized by this permit; the permittee and all assistants agree to hold the Board and State harmless against any and all claims of injury, death or damage resulting from actions or omissions under this permit.
- D. This permit conveys authority **ONLY** of the Department relating to the Division's jurisdiction over aquatic resources: the permittee remains responsible for obtaining all other prior permission from other applicable authorities (such as owners of and tenants upon private lands; other divisions of the Department; other local, State and Federal agencies--this permit authorizes collecting organisms protected by Federal law only with appropriate Federal authorization).

- E. The permittee and also each assistant is individually responsible and accountable for his or her actions while performing activities authorized by this permit; the permittee is additionally responsible and accountable for the actions of each assistant.
- F. This permit is neither transferable nor assignable to another person.
- G. The permittee or assistant must carry a copy of this permit on location while performing activities authorized by this permit.
- H. Authority granted by this permit ends on the "Expiration Date" on the first page of this permit; within **one month** of the expiration date, the permittee agrees to **return this permit** to the Division **with a Collecting Report completed for the full duration of this permit**, reporting results of *all* collecting under this permit on the form provided with this permit.
- I. The permittee and assistants agree to provide access to data obtained under this permit upon request of the Division, to provide the Division one copy of each report prepared with such data and published for distribution, and to allow Department staff to inspect on permittee's premises organisms collected under this permit.
- J. Violation of any condition of this permit by any person may be cause for immediate revocation of the permit; the person responsible may be subject to penalty as provided by law; violation may be cause also for denial of future permit applications.
- K. The permittee may request change of a condition or conditions of this permit by writing to the Division; if approved by the Department, the Division will issue an attachment ("Amendment") which shall become part of, and amend terms of, this permit. The Department may impose additional conditions to, or restrictions of, this permit by written notice to the permittee.

PART II. SPECIAL CONDITIONS

1. **GENERAL STATEMENT:** This permit authorizes the collecting, killing, transport, and possession of non-regulated invertebrates, limu and other seaweeds, subject to the other conditions of this permit. **No** Crustose Coralline Algae (CCA), coral or live rock will be collected under this permit.

2. **LOCATIONS:** Activities under this permit is limited to waters off of the island of Hawaii **ONLY** and is expressly prohibited at the following locations.

<u>ISLAND OF MAUI</u>	Kapaa Canal FMA	<u>ISLAND OF HAWAI'I</u>
Kahului Harbor FMA ¹	Waikaena Canal FMA	Hilo Bay FMA
Honolua-Mokuleia MLCD ²	Waimea Pier & Bay FMA	Kealakekua Bay MLCD
Molokini MLCD		Kailua Bay FMA
Ahihi-Kinau NAR ³		Kawiahae Harbor FMA
	<u>ISLAND OF O'AHU</u>	Old Kona Airport MLCD
<u>ISLAND OF LANA'I</u>	Ala Wai Canal FMA	Lapakahi Bay MLCD
Manele Harbor FMA	Coconut Island MLR	Puako Bay & Reef FMA
Manele-Hulopoe MLCD	Diamond Head SFMA	Waiakea PFA ⁴
	Haleiwa Harbor FMA	Wailea Bay MLCD
<u>ISLAND OF MOLOKA'I</u>	Hanauma Bay MLCD	Wailuku River FMA
Kaunakakai Harbor FMA	Heeiea Kea FMA	Wailoa River FMA
	Kapalama Canal FMA	Waiopae Tidepools MLCD
	Paiko Lagoon Wildlife Refuge	West Hawaii Regional Fishery Management (comprising 9 Replenishment Areas)
	Pupukea MLCD	
<u>ISLAND OF KAUAI</u>	Waialua Bay FMA	
Ahukini Pier FMA	Waikiki MLCD	
Hanamaulu Bay FMA		

¹ FMA -Fisheries Management Area; ² MLCD - Marine Life Conservation District; ³NAR - Natural Area Reserve; ⁴ PFA - Public Fishing Area

3. **FIELD PRACTICES:** The permittee is responsible for persons engaging in activities under this permit behaving professionally and responsibly, in a manner which does not generate conflict with public or private sectors, including fishing and dive-tour industries and local communities.
- a. Drilling and metal stake placement activities under authority of this permit must be supervised directly, on site, by either Alissa Arp or her appointed representative (who must be a signatory of this permit).
 - b. All nets, traps and other placed gear used will be labeled with the permittee's name, address and the permit number "HI DAR SAP 2009-32". All collection sites involving placed gear will be GPS'd and specific locations for each site will be provided to the Division.
 - c. **No extractive or invasive sampling will be done on, or adjacent to, any intact coral colony measuring larger than 1 m x 1 m x 1 m.** Specific efforts will be made to avoid damage to any large colonies of coral.
 - d. No coral species will be collected or impacted by activities conducted under this permit.
 - e. An approved alien species protocol will be filed with DAR prior to initiation of collection activities. Protocol will include mechanisms for ensuring that the individuals listed on this permit (including all students involved) do NOT serve as vectors for the transport or introduction of alien species through their activities.
 - f. The Division may require the permittee to accommodate presence of an observer specified by the Division during collection and research activities. A record will be kept of each collection comprising specific location, date, species and amount collected. This record will be made available to the Division upon request.
4. **NOTICE:**
- a. Collection Activity Generally - the permittee will not place gear atop, core or dig into, or damage through collection activities crustose coralline algae assemblages or live coral.
 - b. Mass mortality - the permittee must notify DAR O'ahu within one day of
 - 1) Any instance of major damage caused to coral or other marine natural resources as a result of collection or other research activities conducted under this permit.
 - 2) Any un-planned mass die-off of collected material after field collection.

5. **GEAR AND METHODS**

Use of any chemical substances pursuant to Section 188-23, Hawai'i Revised Statutes, electrical shocking devices, or explosives remains expressly prohibited.

No benthic trawls will be conducted under this permit.

6. **USE OF ORGANISMS:** Live organisms and seaweed taken from Hawai'i waters under authority of this permit may be used only for scientific study on O'ahu **ONLY**, except as authorized by prior written approval of the Division:

- a. Organisms collected under authority of this permit may not be used for personal consumption or sale; organisms collected under this permit may not be traded, bartered or loaned to other individuals, institutions or entities;
- b. Written approval must be obtained from the Division prior to
 - 1) Purchasing or any other acquisition of regulated organisms (regardless of origin) alive from any other party,
 - 2) Transporting any live organism (regulated or not) between islands, or outside of Kane'ohe Bay (and its immediate environs), O'ahu.
 - 3) Exchanging or donating any organisms collected under this permit to any other person, party or organization;
- c. The permittee may not convey in any fashion (including, but not limited to, selling, trading, or giving) any coral or live rock to any person or party in Hawai'i which does not already have a permit from the Department authorizing possession of same and without direct, written approval from the Division.

7. **PUBLIC SAFETY:** The permittee will ensure, and take all necessary steps such that any gear placed into submerged marine substrate will not pose a entanglement risk to ocean users through their normal activities.

8. **ANNUAL REPORT:** Upon expiration, the permittee must provide to the Division a final written report summarizing results of collecting activity carried out under this permit and the analysis of the data:

- a. The annual report should provide a written explanation as to how the collection of a fully-protected marine species for scientific study is benefiting the State of Hawai'i in general and specifically, the improved management of the species.
- b. The final report must describe, in form specified by the Department,

- 1) Names and total numbers/quantities of all specimens collected under this permit,
 - 2) Their dispositions (e.g. on display; released/returned to the ocean; died),
 - 3) **Description of any additional benefits** beyond the scientific analysis provided to the Division or the public during the period;
- c. An inventory of organisms (dead or alive) present at the facility or with the permittee the end of the report period, in form acceptable to the Division, must accompany the annual report;
- d. **The annual report is due at the Division's Honolulu office within one calendar month after expiration of the permit, and is required prior to any renewal of this permit.**

VALIDATING SIGNATURE

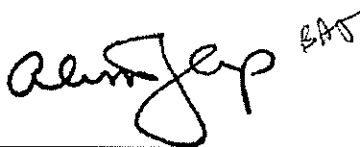
Laura H. Thielen, Interim Chairperson
Board of Land and Natural Resources

cc: DLNR Division of Conservation and Resources Enforcement

Special Agent in Charge, US Fish and Wildlife Service Honolulu

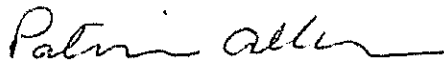

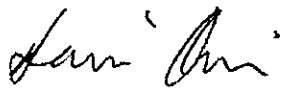
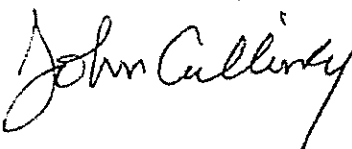

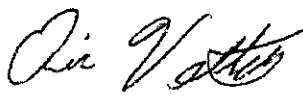
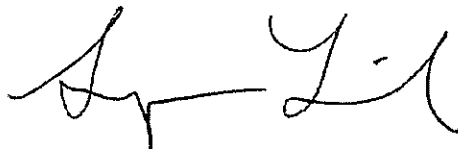
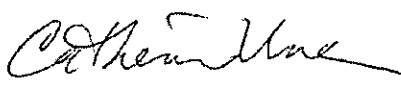





ACKNOWLEDGING SIGNATURES

By signature below, I attest that I have read and understand the General and Special Conditions of Scientific Collecting Permit SAP 2009-32 and that, further, I agree to comply with all of these conditions when collecting under authority of this permit.

A handwritten signature in black ink, appearing to read 'Alissa Arp', with a small 'SAS' written to the right. The signature is written over a horizontal line.

Alissa Arp
Primary Permittee

Designated Assistants

<p>Sign </p> <p>Type Name Patricia Allen</p>	<p>Sign </p> <p>Type Name Dr. Valerie Franck</p>
<p>Sign </p> <p>Type Name Brian Quinn</p>	<p>Sign </p> <p>Type Name Dr. John Culliney</p>
<p>Sign </p> <p>Type Name Daniel Brinkman</p>	<p>Sign </p> <p>Type Name Dr. Eric Vetter</p>
<p>Sign </p> <p>Type Name Suzanne Linda</p>	<p>Sign </p> <p>Type Name Dr. Catherine Unabia</p>
<p>Sign </p> <p>Type Name Kevin Baptiste</p>	<p>Sign </p> <p>Type Name Dr. Varis Grundmanis</p>
<p>Sign </p> <p>Type Name Chris Evans</p>	<p>Sign </p> <p>Type Name Dr. Keith Korsmeyer</p>
<p>Sign</p> <p>Type Name</p>	<p>Sign </p> <p>Type Name Dr. Brenda Jensen</p>